

**What is claimed is:**

1. A health monitor expansion module for connecting to a mobile wireless communication apparatus to provide a wireless health monitor platform, the health monitor expansion module capable of receiving 5 physiological signal provided by at least one sensor module, the health monitor expansion module comprising:

a microprocessor;

an input signal processing unit connected to the microprocessor for receiving and processing the signal provided by the sensor module;

10 a data storage unit connected to the microprocessor for storing data;

and

an interface processing unit for processing transmission signals between the mobile apparatus;

15 wherein the health monitor expansion module is capable of receiving the physiological signal from the sensor module and send the physiological signal via the mobile apparatus.

2. The health monitor expansion module as claimed in claim 1 further comprising an antenna and a wireless data transmitting unit to enable the health monitor expansion module to receive the wireless output signal 20 from the sensor module.

3. The health monitor expansion module as claimed in claim 1 further comprising a digital-to-analog converter to enable the health monitor expansion module to receive an analog output signal from the sensor module.

4. The health monitor expansion module as claimed in claim 1 further comprising a signal amplifier for amplifying the signal from the sensor module.

5. A sensor module capable of connecting to a physiological sensor to send the physiological signal to the health monitor expansion module as claimed in claim 1, the sensor module comprising:

a microprocessor;

an input signal processing unit connected to the microprocessor for receiving and processing the signal provided by the sensor ;

10 a data storage unit connected to the microprocessor for storing data; and

an antenna and a wireless data transmitting unit for sending the physiological signal to the health monitor expansion module.

6. The sensor module as claimed in claim 5 further comprising a 15 digital-to-analog converter to enable the health monitor expansion module to receive the analog output signal from the sensor.

7. The sensor module as claimed in claim 5 further comprising a signal amplifier for amplifying the signal from the sensor.